

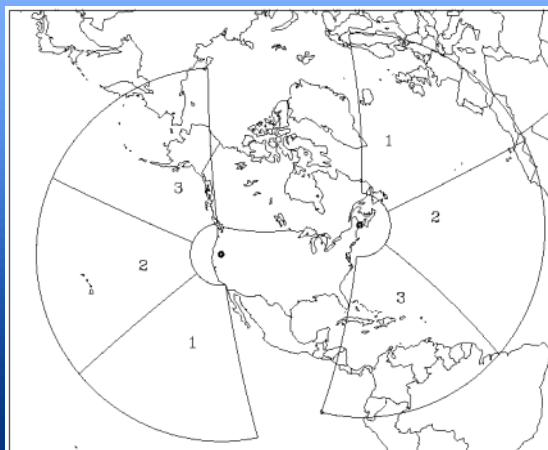
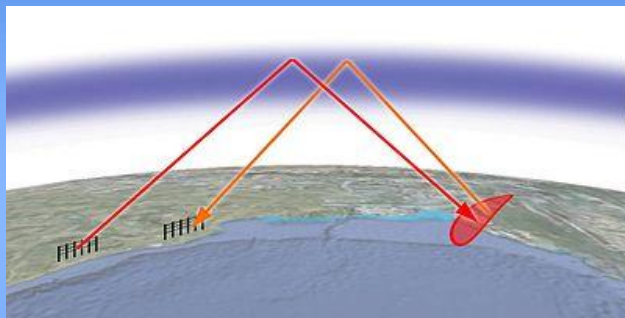


The GARzette

The Official Newsletter of the Gwinnett Amateur Radio Society
July 2015 <http://www.gars.org/> Volume 24, Issue 7



Over-The-Horizon-Radar



Read about the latest OTH on page 6

Message from the President

Field Day! OK, what else did you think I was going to talk about? I just experienced the best Field Day activity ever since becoming a ham. GARS members began to gather at Harbins Park around 7:00 am Saturday and activities did not subside until 3:00 pm Sunday. Each time we participate in this type of activity we learn more and get better at our hobby both as a group and as individuals. This is the primary purpose of Field Day and the GARS group is "where it's at" when it comes to putting together special events.

Special thanks goes out to Field Day chairman David, KA4KKF, for organizing and directing the activities. Next time you talk to or see David give him your thanks for his tireless hours of planning and execution. I can't speak to the exact numbers but we probably had as many as 20 to 30 participants there early helping with delivery of equipment and setup. No big event like this goes without its snags but I didn't hear of any significant issues. 8+ antennas got up into the trees and onto poles and most all of them seemed to work very well. We were all on-the-air by the 2:00 pm start time and the race was on.

No army marches without food and the GARS/Gwinnett ARES Field Day operation was no exception. All manner of breakfast items and fruit were available for the early arrivers Saturday. Special thanks to all who brought their coolers with ice which were quickly filled with water and soft drinks. Also thanks to Randy for his idea to cook the hot dogs on



"....the GARS group is "where it's at" when it comes to putting together special events."

the grill for lunch. Great idea! And thanks to Earl for helping get all the food and coffee together for the gang. The barbeque layout for dinner was also fabulous and ice cream at midnight hit the spot. Of course the breakfast burritos and waffles were a huge success as well on Sunday morning. Oh, did I mention that food was a big part of Field Day?

If you didn't get to participate in Field Day this year do not fear. There are plenty of GARS activities in the near future. Please make an effort to attend one of our regular meetings which occur on the second Tuesday of every month. We meet

in the EAA hanger at Briscoe Field in Lawrenceville at 7:00 pm. See the GARS.org website for directions. Also meet us for the regular 2 meter net Mondays at 7:30 on 147.075 or the "Know it all Net" Wednesdays at 8:30. For the early risers there is always the GARS Family Breakfast at the Golden Corral on Riverside Drive in Lawrenceville on Saturdays at 7:30 am.

Thanks again for all who regularly participate in GARS activities. It takes a lot of hard work to make an organization great and the more who do the work, the easier it gets. Please let us know if you would like to help out in future events.

73s,

Rick, N4XYX

"It is not the class of license the Amateur holds, but the class of the Amateur that holds the license."

[Author Unknown]



GARS July Meeting

“Why Upgrade Your License”

*by ND4V, Mike Weathers
and WA4ZXV, Norm Schklar*

*Tuesday July 14, 2015
Come Early—get a good seat!*

**Sports Aviation Complex - Hangar 1
690 Airport Road
Lawrenceville, GA 30045**

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GARS Communications

2 Meter Repeater
147.075(+) MHz
82.5 PL Tone

APRS
144.390 -- 1200 Baud
W4GR

D-Star
WD4STR
145.060 + (1.4 MHz)
440.550 + (5 MHz)

2 Meter Repeater
147.255(+) MHz
107.2 PL Tone

6 Meter Repeater
53.110 (-1 MHz)
No PL tone

70 Cm Repeaters
444.525(+) MHz
82.5 PL Tone
442.100(+) MHz
100 PL Tone

**Don't forget
to support our
advertisers at the
back of the
GARzette.**

The *GARzette* is the official monthly newsletter of the Gwinnett Amateur Radio Society, serving its members and other persons interested in the advancement of the Amateur Radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriate publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible, bring your articles to the monthly meeting in Microsoft Word or rich text (.rtf) or text or HTML format or by email to n4gyn@arrl.net. Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary.

In keeping with the Amateur Radio spirit, permission is hereby granted for the reproduction of The *GARzette* articles by other Amateur Radio club newsletters provided that proper credit is given to the individual author and *The GARzette*.

The GARzette is published each month with the assistance of Norm Schklar, WA4ZXV who prints copies for distribution at meetings, etc. and Dave Bruse, W4DTR, who distributes the news letter electronically.

Deadline for submissions is the 28th of each month for inclusion in the following month's issue.

For additional information view our Website at: <http://www.gars.org>

Newsletter Editor: Ray Bailey—N4GYN
770-689-6620 or editor@gars.org



Member QRZ Pages

For a few months we will be featuring the QRZ page of various members of GARS.

This month we are featuring the QRZ page of Dave Bruse, W4DTR. When you click on the link below to see it you will find this picture of him operating at ARRL Headquarters, W1AW, in Newington, CT. Read his biography and get to know him better. It's excellent reading.

<http://www.qrz.com/db/W4DTR>

Here is an excerpt from his page:

"I started off with my Novice license by passing the Novice written and 5 WPM CW exams back in the late winter, early spring of 1978. (Unfortunately I don't have my original license and I don't remember the exact date.) I was a Novice for many years. I enjoyed the few operating privileges Novices were given, and I really enjoyed the added privileges when we were given voice privileges on 10M, 220 MHz and 1.2 GHz. In my opinion, the rush was not to upgrade your license class but rather to enjoy our wonderful hobby. "

Watch for another featured GARS member QRZ page in next month's GARzette!

Ray Bailey, N4GYN
Editor



Field Day Comments

The reporter asked me how do we know when Field Day is a success. This was about 2:30 on Saturday afternoon. I told him it was already a success. We had lots of friends here. All equipment has been checked out. We're making contacts. That was success.

David [Adcock, KA4KKF], our Field Day Chairman, once again got us there, setup and operating on time. As a group we worked hard for a few hours to complete the plan. One of the more exciting thing that I noticed was all the new or almost new hams and members that participated in one way or another. A lot of new faces and of course a lot of long time friends. I don't have the count for number of operators at this time, but it was a lot. Randy and Earl made sure we had some good GARS meals, Sandy made sure we had ice cream for midnight snack, Karen and Karen stepped up and laid out the food for the masses. I didn't see one food fight. And Kevin stepped up and picked up our catered Saturday night dinner.

I don't have the contact counts or score, but I did see a lot of activity at the 8+ station. And there was a satellite

contact. We generally tear down most of the antennas starting about noon on Sunday. This time we had to wait until after 2:00 to get most started. That means the bands were alive and we were making contacts. That's a good thing.

For those of you that couldn't make it, I'm sure you'll see photos and hear tales as the participants come back to life after a hard fun weekend of GARS amateur radio.

We decided to save the left over ice cream in a plastic bag at the tower site just in case we need it after the final scores are published. (If you don't know the meaning of this, just ask at the next meeting.)

Thanks again to the Officers and Chairman for allowing us to have such a great event.

73,

Norm Schklar, WA4ZXV

Field Day Comments (Cont'd)

The following are copied from emails sent to GARS@yahoogroups.com

We've had a long line of great Field Days, even some where we have won our state and our class. But I can't remember another FD where I had more FUN. It was an exceptionally nice FD. Thanks to everyone who made it possible and David KA4KKF for organizing it!

73,

Kyle Albritton
W4KDA



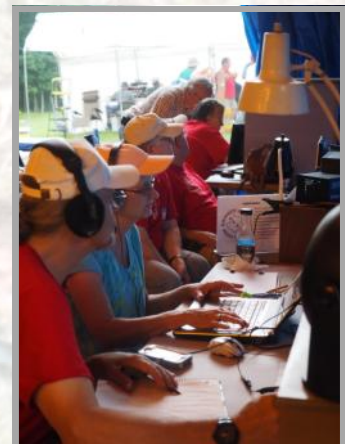
I had a great time. It was the best Field Day I've ever been to. Got to meet a lot of great people there and of course a lot of good friends. When we weren't on the radio we talked and laughed at the jokes even though we were all tired. I learned a lot and got to play with lots of toys. Everyone was having a great time. I was tired when I got home but just couldn't stop talking about it until I finally passed out on the sofa. I haven't unpacked yet but will get it done by this afternoon. My XYL said I was calling CQ in my sleep last night but I think the band was dead because I didn't make any contacts.

73 and thanks for the great experience.

Charlie Corriveau
K4YDB



Here are more pictures of the GARS 2015 Field Day.



Radio News

BEACON heard on the Maritime Mobile Service Net, 14.300 MHz

Recently, Net Control operators and check-in stations alike have been hearing a strange “beacon” on the MMSN. Some think it is coming from China. Here is some of the chatter about what the source might be:

<http://forums.radioreference.com/amateur-radio-general-discussion/312843-beacon.html>

This was brought to my attention by Gary, WB6UQA who is a Net Controller (NCS) on the net.

Ray, N4GYN
GARzette Editor

Iranian Over-The-Horizon Radar (OTH) on 10 meters

My friend, Ed, N3CW mentioned this recently. The evidence is real. This could have a severe impact on 10 Meter Amateur Radio. Here is a You Tube video of what it sounds and looks like:

<http://forums.radioreference.com/amateur-radio-general-discussion/312843-beacon.html>

According to Trend News Agency, Iran’s Islamic Revolution Guards Corps (IRGC) has launched a long-range radar system in the southwest of the country to enhance its air defense capabilities. Read the news about it:

<http://forums.radioreference.com/amateur-radio-general-discussion/312843-beacon.html>

Ray, N4GYN
GARzette Editor

Conditions Sucked Yesterday

Have you noticed how poor the band conditions have been lately? Well, most of the bands anyway. 6 Meters has been doing some very interesting things while HF has been really poor. Here is one OM’s comments you might enjoy reading.

From AmateurRadio.com—International Ham Radio News and Opinion: 6 July 2015 by Larry W2LJ
“So of course, someone had to pipe up with "Try a 100 Watt radio next time. Life is too short for QRP."

Read the entire story here: <http://www.amateurradio.com/>

Ray, N4GYN
GARzette Editor

The Siru Innovatios SDR20 multi-touch portable SDR



Read all about it at: <http://swling.com/blog/2015/06/the-siru-innovatios-sdr20-multi-touch-portable-sdr/>

SOTA - Summits On The Air

Sisyphus the Activator

Activation Points Once Per Year

A SOTA activator can get points for activating a given summit once each calendar year. For example, if you ride the tram to the top of Stone Mountain and you make 4+ QSOs from the summit in 2015, you collect two points. If you activate Stone Mountain again in 2015, you get zero additional points. When 2016 arrives, you become eligible for 2 more points.

A Peculiar Activator

So why does one ham activate San Bruno Mountain and Mt. Davidson again and again? As of mid-2015, he's activated San Bruno Mountain alone more than a dozen times this year!

- Maybe he lives [there](#)? Unlikely. It's a typical radio/TV tower summit.
- Maybe he really likes San Bruno Mountain? Possibly, but he does something unusual from that summit... he makes summit-to-summit contacts.

[K6EL](#) is the leading summit-to-summit activator in the United States, with more than twice as many "S2S" contacts as his nearest competitor. (The superlative metric about K6EL is that he has the lowest points per climb of any activator in the world!)

A key appeal of these summits is that they are convenient to his home and they have strong cell signal. Cell signal is important, because it allows him to use [SOTAwatch](#) to identify other activations in progress. With thin information, he's able to call the other activator and make the contact.

Your Advantages

There are a number of hills near Atlanta with similar advantages, including [Stone Mountain](#), [Kennesaw Mountain](#), and [Pine Mountain](#). For Stone Mountain, you could carry a folding chair and your cooler!

Unless you've got a truly outstanding antenna at home, you'll find that you get better signal reports operating QRP from the top of a summit than QRO at home. You'll certainly get more pile-ups from a SOTA summit than your Atlanta-area shack. (Activators can get points for the same summit once per UTC day, so they'll call you each time.) QRM is low from most summits. (Get away from the building on top of Stone Mountain, to minimize QRM there.) If you're a VHF operator, line of sight is great on a summit.

QRP-to-QRP

Summit-to-summit contacts are often regarded as particularly challenging. You'll have two QRP rigs and two portable antennas on the QSO, and you'll be competing against QRO chasers with beams. A little patience is all that's needed! A SOTA pile-up typically lasts only 5 minutes or so. Once the fuss has died down, you'll be heard. When you send your call sign, be sure to state, "Summit-to-summit." Other stations typically yield when they hear this. (And you'll compete surprisingly well, given your elevation.)

See you on the summits!

73 DE K4KPK / *Kevin*

Where can I find out more?

Official site: <http://sotadata.org.uk/>

Mailing list: <https://groups.yahoo.com/groups/summits>

K4KPK's site: <http://k4kpk.com/content/sota-menu>

Email me (K4KPK). My email address is available via <http://www.qrz.com/db/K4KPK>.

Bio

K4KPK, Kevin Kleinfelter is Georgia's first SOTA Mountain Goat. His first QSO (ever) was on a backpacking trip to a 5300' summit. He has completed more than 140 activations.

This story is Copyright 2015 Kevin P. Kleinfelter. A non-exclusive right to redistribute in electronic or printed form is granted to amateur radio clubs operating in the metro Atlanta area. All other rights reserved.



13 Colonies Special Event

It began June 30 and continues to July 5, 2015. You can learn all about it here:

<http://www.13colonies.info/>

The US Original 13 Colonies Special Event Group Presents The 7th Annual:

INDEPENDENCE WEEK - 13 COLONIES SPECIAL EVENT

Fourth Of July Week-2015



FOUNDERS AND PATRIOTS OF THE REPUBLIC

This Is To Certify That ARRS: KU2US Participated In This 4th Of July Week Celebration Honoring The Original 13 Colony States And The Independence Of Our Nation In 1776.

CONTACTS

CLEAN SWEEP

WM3PEN

U.S. MILITARY VET.

KEN VILLONE-KU2US

EVENT MANAGER: Ken Villone

Paul Revere K2M/PA

Gen. Nathaniel Greene K2L/SC

Gen. George Washington K2A/NY

James Madison K2E/DE

Benjamin Franklin K2G/GA

John Adams K2I/NJ

Patrick Henry K2B/VA

Alexander Hamilton K2F/MD

Crispus Attucks K2H/MA

Capt. John Paul Jones K2J/NC

Thomas Jefferson K2C/RI

John Hancock K2K/NH

Betsy Ross K2D/CT

13 Colonies Special Event
INDEPENDENCE WEEK
30 JUNE - 5 JULY, 2015

CT-DE-GA-MA-MD-NC-NH-NJ-NY-PA-RI-SC-VA

EVENT TIMES:

The colony states will operate from **Tuesday, June 30, 9:00 AM Eastern** (1300 UTC) until **Sunday Night, July 5th, 00:00 (Midnight)** Eastern (0400 UTC July 6th).

FOR 2015: The 13 Colonies will have TWO sister events: Our old friends WM3PEN will participate from Philadelphia, PA, where independence was declared.

The 13 Colonies certificate has a Liberty Bell added for a contact with WM3PEN.

WM3PEN will be on D-STAR each evening from 7-11 PM Eastern Time. Click on the WM3PEN button below for details.

GB13COL will operate from Durham, England. Click on the GB13COL button below for details and QSL information.

Norm, WA4ZXV

Beginner's Corner

Give Your Radio's Signal Some Air - Part 1

Most new hams will buy a small handheld portable radio as their first radio. This type of radio is better known as a Handy Talkie or HT. When a new ham gets that radio programmed, he or she will hopefully try to make contacts. Living in Gwinnett County, the GARS repeaters are a likely target for that first QSO (contact). Some new hams are ambitious and will program every repeater in the Metro Atlanta area. They will get on a distant repeater frequency, key up their HT, and become discouraged when nothing happens. It's not your fault, nor your radio's fault. It could be that the signal from your antenna just isn't getting very far.

Virtually HTs come with a stock antenna, called a "Rubber Duckie" by many. The problem with these stock antennas is they are horribly inefficient. I read somewhere that they actually lose almost half of the power that the HT puts out. On high power, most HTs put out 5 watts. After going through the Rubber Duckie, only 3 watts normally gets out. Solution? First replace that stock antenna with a better one, called a "whip". Several companies make really good whip antennas. They are available at our local ham radio store or on the Internet.

<https://www.youtube.com/watch?v=bjLFmyEXnvo>

If you try using your HT in a vehicle, using a stock antenna isn't good either. You can get a magnetic mount antenna that mounts on the top of your metal vehicle roof. You can run the antenna cable through one of the vehicle doors. Just open the door, run the end of the cable into the vehicle and shut the door. [Make sure the door doesn't pinch/damage the cable. The rubber weather seal usually protects it and keeps the rain out. Ed] Once the antenna cable is in the vehicle, connect it to your HT. The plug on your new magnetic mount antenna is called a PL-259 plug. Most HTs have what is called an "SMA" plug. The two are not compatible, and you will need to pick up a "SO-239 to SMA" adapter to hook between the antenna cable and your HT. Going to the ham radio store to pick up a magnetic mount antenna? Bring along your HT with you and the salesperson will help you get the right adapter.

It is best to get a dual-band antenna for your vehicle, even if your HT works only on a single band. Most hams will eventually own more than one rig, and your next rig might just be a dual band (VHF/UHF) one. Just as radios need to be tuned, antennas usually need to be tuned, as well. You learned about standing wave ratio (SWR) before you took your technician test. If you know of a ham who can check your antenna for you, he or she should be able to tune your antenna for maximum performance. However, in my experience, it is not critical.

We will discuss more about giving your radio's signal some air in future columns.

73,

David - KJ4CMY



Historical Information

A Letter to All Amateur Radio Operators

In April 1917 a letter from the U.S. Navy District Communication Superintendent was mailed to every Amateur Radio operator in the country. We had entered World War I. Shortly after this letter was sent, a bill was introduced in the House of Representatives proposing that all radio communications, including Amateur Radio, should be handed over to the U.S. Navy. Percy Maxim, one of the American Radio Relay League founders, immediately went to Washington lobbying against the proposed legislation. Fortunately, the bill died in committee. The letter read as follows:

“To all Radio Experimenters,

“Sirs:

“By virtue of the authority given the President of the United States by an Act of Congress, approved August 13, 1912, entitled, ‘An Act to Regulate Radio Communication,’ and all other authority vested in him, and in pursuance of an order issued by the President of the United States, I hereby direct the immediate closing of all stations for radio communications both transmitting and receiving, owned and operated by you. In order to fully carry this order into effect, I direct that all the antenna and all aerial wires be immediately lowered to the ground and that all radio apparatus both for transmitting and receiving be disconnected from both the antenna and ground circuits and that it otherwise be rendered inoperative for both transmitting and receiving any radio messages or signals, and that it so remain until this order is revoked. Immediate compliance with this order is insisted upon and will be strictly enforced. Please report on the enclosed blank your compliance with this order; a failure to return such blanks promptly will lead to rigid investigation.”

With the “Great War” underway, the U.S. Military establishment found themselves with a complete shortage of radio operators and instructors. The military contacted Percy Maxim for help in meeting their immediate need for five hundred qualified radio operators. Before the end of World War I, four thousand radio operators had seen duty . . . but the Amateur Radio ban continued.

Another attempt was made in November 1918 to put the Secretary of the Navy in charge of *all* radio in the U.S. and again, Percy Maxim, at his own expense, went to Washington attending the hearing on the bill. It again died in committee. On April 12, 1919, the Navy Department announced that the ban on receiving was lifted but radio transmissions by amateurs was still banned until the President declared peace. Maxim urged that the ban be lifted and with the aid of the Assistant Secretary, Franklin Delano Roosevelt, the Navy lifted the ban on September 26, 1919.

Source: *Percy, Clarence, QST and The ARRL, Before, During and After the Birth of Amateur Radio*, by Larry Telles, K6SPP

Submitted by: *Paul Kelly*, W4KLY



Percy Maxim—Father of Amateur Radio

More About Morse

KB6NU's Ham Radio Blog

Morse Mouse makes code fun

Posted: 11 Jun 2015 11:22 AM PDT



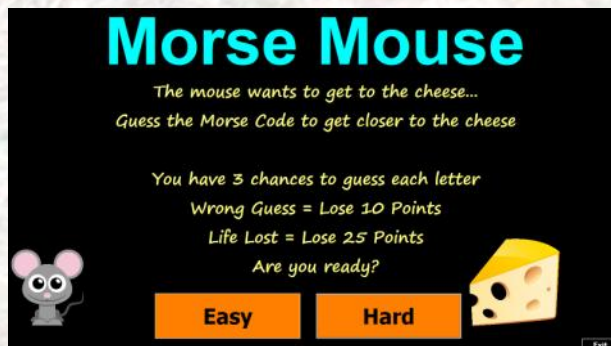
NOTE: You will want to turn your speakers down before you start this app. It goes FULL SCREEN immediately and you can't get at the Windows Audio Mixer. I have two monitors, so I brought up the Windows Audio Mixer on the 2nd monitor so I could turn down the sound without turning down my amplified speaker volume. - Ed -

The [Morse Mouse app](#), developed by Charlie, MOPZT, demonstrates Morse Code to youngsters (and the young-at-heart). The program sends a series of letters in Morse Code, making a game of skill and memory out of learning the code. According to Charlie, the idea came about when [his club](#) decided to do more than set up a station for special events at the local museum.

The program simply picks a random letter to send and then gives users five to ten seconds to hit a key on the computer keyboard. Sound effects tell the user if they got the letter right or not. If the user correctly decoded the character, the mouse moves towards the cheese. If the user got it wrong, the computer will repeat the character, giving the user three chances to get it right. When all three chances have been used, the mouse moves backwards (away from the cheese). The quicker you are at guessing, the higher your final score will be!

A crib-sheet is provided to assist novice users with decoding letters, but even those comfortable copying at 15-20 wpm will have fun using the program. The program currently only runs on Windows computers, and can be used with a keyboard as well as a touchscreen. According to Charlie, the game is rather addictive when used with a touchscreen display. <http://www.mopzt.com/morse-mouse/?mouse>

The post [Morse Mouse makes code fun](#) appeared first on [KB6NU's Ham Radio Blog](#).



What's Happening?

AREA HAMFEST CALENDAR

Please visit and support these local hamfests!

NOTE: Dates highlighted in **YELLOW** are the last date the hamfest was held or an unconfirmed date!

Check with hamfest sponsors before traveling if the date is in Yellow.

18-Jul-15	McMinn Co, TN (Athens)	147.060(-)141.3	http://www.mcminnarc.com/fest/fest.html
25-Jul-15	Cullman, AL	145.310(-)	http://cullmanarc.webs.com/
26-Jul-14	Waynesville, NC	146.910 (-) 91.5, Asheville 147.390 (-) 94.8 tone, Lake Junaluska	http://www.wcars.org/hamfest.html NOTE: We recived a flyer with correct date.
Aug 15-16, 2015	Huntsville, AL	146.94	http://www.hamfest.or
23-Aug-14	Cedars of Lebanon, TN	146.910 (-)	http://www.smrclub.com/
Sept. 12, 2015	Dalton / Varnell, GA (Prater's Mill)	147.135(+)141.3	http://w4drc.webstarts.com/
Sept. 13, 2014	Dallas, Ga	146.895 + PL 77.0	http://www.pauldingarc.com/
Sept. 12, 2015	Gadsden, AL	147.160(+) 100.0	http://GARC.org
20-Sep-14	Sweetwater, TN	145.250 (-) 100.0	Virgil W4OLJ (423)404-8000 http://www.w4yl.com/
NO FEST 2014	Sevierville, TN (Ten Tec Hamfest)	145.470, 146.940, 443.225	http://www.tentec.com (NO HAMFEST 2014, see website)
Sept 25-26, 2015	SEDCO DX Convention (NOTE: If you plan to attend SEDCO, register early!)		http://www.w4dxcc.com/
11-Oct-14	Lagrange, GA	146.700(-)141.3	http://www.lagrangeradioclub.org/index.php
19-Oct-14	Rome, GA	146.940 (-) 88.5	http://www.w4vo.org/ or 706 766-1118
17-Oct-15	Greenville, TN	145.390 minus 186.2 tone	http://www.greenvillehamfest.com/
31-Oct-15	Chattanooga, TN	146.79	http://www.w4am.org
Nov 7-8, 2015	Lawrenceville, GA	146.82 (PL 107.2)	http://www.stonemountainhamfest.com/

GARS Membership Page

New GARS Members in June

Neil Cleveland (KM4JXF)
Mark Fenley (KM4DJO)
William Hawkins (KM4KPH)
Richard Jones (KM4JLB)
Paul Pirillo (KW4EW)
Ruth Willet (KM4LAO)

New Members: 6

Total Members as of July 1, 2015
- 299-

Join us for our weekly
breakfast gathering at
7:30 AM most Saturdays

at

Golden Corral
2155 Riverside Parkway
Lawrenceville, GA 30043

([Directions](#))

The following members are
celebrating birthdays
in July:

HAPPY BIRTHDAY!!
From All of Us at GARS

Richard Barnes (W4IXN)
 James Boyd (KB9VTM)
 Warren Cameron (KM4FQH)
 Bill Cherepy (WB4WTN)
 William (Bill) Cohl (WB2PIH)
 Jeffery Cutchins (AB4HF)
 Jean Delashmit (KM4FVO)
 Laurel Dickenson (KM4FMP)
 Juan Dominguez
 Randy Drescher Jr (K4HS)
 Diane Gibson (N3MAD)
 Brian Jones (KD4UYP)
 Terry Jones (W4TL)
 Paul Kelley (W4KLY)
 Sherwin Levinson (K4SML)
 Charlotte Matchette (KE4OSR)
 Audrey McElroy (KM4BUN)
 Rob Osattin (KI4UTY)
 Mikael Ostensson (KM4BWU)
 Myles Perper (N1ATL)
 William (Bill) Pierce (K1LP)
 John Price (N4IHP)
 Lowry Rouse Jr (KM4Z)
 Stephen Schreiman (KJ4MWF)
 James Thompson (KK4WET)
 Brian Walton
 Sid Weaver (N4NQ)
 Roy Wilbourn (KM4HIH)
 Randy Woolery (KK4CRL)

GARS MEMBERSHIP

Your current GARS membership status is shown in the monthly newsletter email towards the bottom of the message.

To become a GARS member, or to renew your GARS membership, please visit our website—<http://www.gars.org>

To make changes to your GARS membership (moved, new email address, new phone number, etc.), please email the Membership Committee - membership@gars.org

You can **renew or update** your Amateur Radio license information with the FCC at their website for free <http://wireless.fcc.gov/uls/index.htm?job=home>

To update your ARRL information, please visit their website - <http://www.arrl.org>

Membership Chair: Karen Albritton, KI4HPP
 Committee Members: Richard Atkin, KJ4ZTY, Dave Bruse, W4DTR

Net Managers Corner

Monday Night 2 Meter “Want, Swap, Sell, and Information Net”

GARS NEEDS MEMBERS TO SERVE AS NET CONTROLLERS

GARS is a great Amateur Radio service club and we have the membership and awards to prove it. Our club is a very busy and active club and we use the Monday night net to get the information out to our members. Weekly participation is needed to make our net function well. There is only a small group of very dedicated people that make the net happen each week, and we need more members to volunteer to serve as Net Control Stations (NCS) on a rotating basis.

Out of almost 300 members, there are only eleven primary people who serve as NCS for the GARS net every Monday night. In no particular order, they are:

Norm - WA4ZXV	Kyle - W4KDA	Mitch - N0DIM
Hal - W4IGE	Don - KW4AL	Ray - N4GYN
Sandy - KJ4DRO	John - WB4QDX	Bill KK4AUA
Kevin - KK4WOG	Chuck - KK4TKJ	

As GARS Net Manager (Chuck KK4TKJ), I need 30 people to fill NCS positions. I do plan to post the schedule months in advance. Any conditions will be accommodated that you, as a rotating NCS, need to place on the scheduling of your duties. If your plans change, I can make adjustments for the schedule to work, and I will make those changes happen as soon as I am notified of a problem. As Net Manager, I also send out reminders each week to let the NCS scheduled know he or she is NCS for the next Monday night net. In short, serving as a rotating NCS is a small duty but a great contribution to the club. The “Want, Swap, Sell Information Net” begins promptly at 19:30 every Monday night and runs about 45 minutes. As a scheduled NCS, you will request the assistance of a volunteer alternate NCS each time you have Net Control. Your simple duties will be to tune in to the GARS repeater, read the script, take a few notes and forward the information to me for record keeping.

Please lend a hand and contact me at KK4TKJ@arrl.net. Sign up to help support the effort that makes GARS the great club that it is.

73 and see you on the Nets!

Chuck McCord. KK4TKJ



Don't miss the “KNOW IT ALL” Net Wednesday nights, 8:30-9:30 pm



We have moved to a new format. We begin with current events and announcements. Then we Introduce New Technology. Then we have check-ins and general discussion. Post net is Rag Chew format.

Jeff—AB4HF

Everyone is having great fun on this net! Come join us and become a “KNOW IT ALL”.

TIME: 8:30 every Wednesday evening on the GARS repeater - 2m 147.075 +, PL 82.5
6m 53.110 - No Tone
70cm 442.100 + PL 100.0

ARRL CONTESTING INFO

>>>> NOTE: For more information click the links <<<<

July 10

[QRP Fox Hunt](#)
[NCCC RTTY Sprint](#)
[NCCC Sprint](#)

July 11

[FISTS Summer Sprint](#)
[IARU HF World Championship](#)

[SKCC Weekend Sprintathon](#)

July 12

[CQC Great Colorado Gold Rush](#)

July 15

[CWops Mini-CWT Test](#)
[RSGB 80m Club Championship, SSB](#)

15-16 [10 GHz & Up – Round 1](#)
16 [Rookie Roundup – RTTY](#)

AUGUST UHF:

The IARU Contest is the weekend of July 11. This is the place to be for potential WRTC competitors. Lists of scheduled-to-be-active IARU Headquarter stations are generally maintained in a number of places, one of which is by NG3K: [Announced DX Operations](#).

Objective: To work as many amateur stations in as many 2 degrees by 1 degrees grid squares as possible using authorized amateur frequencies above 222 MHz and all authorized modes of emission.

10 GHz & Up - Round 1:

The Objective of 10 GHz and Up is for North American amateurs work as many amateur stations in as many different locations as possible in North America on bands from 10-GHz through Light. Amateurs are encouraged to operate from more than one location during this event. See the detailed rules for restrictions.

HAMFEST CALENDAR

Southeast US

07/25/2015 | [Cullman ARC Hamfest](#)

Location: Cullman, AL
Type: ARRL Hamfest
Sponsor: Cullman Amateur Radio Club
Website: <https://www.facebook.com/CullmanARC>

07/25/2015 | [Byron Tailgate](#)

Location: Byron, GA
Type: ARRL Hamfest
Sponsor: Central Georgia ARC
Website: <http://www.wa4ort.com>
[Learn More](#)

08/15/2015 | [Alabama State Convention \(Huntsville Hamfest\)](#)

Location: Huntsville, AL
Type: ARRL Convention
Sponsor: Huntsville Amateur Radio Club
Website: <http://www.hamfest.org>

09/12/2015 | [Hamfest Augusta](#)

Location: Grovetown, GA
Type: ARRL Hamfest
Sponsor: Amateur Radio Club of Augusta
Website: <http://www.facebook.com/hamfestaugusta>

09/12/2015 | [GADSDEN HAMFEST](#)

Location: Attalla, AL
Type: ARRL Hamfest
Sponsor: Gadsden Amateur Radio Club
Website: <http://www.garc.org>

11/07/2015 | [Georgia Section Convention \(Stone Mountain Hamfest\)](#)

Location: Lawrenceville, GA
Type: ARRL Convention
Sponsor: Alford Memorial Radio Club
Website: <http://www.stonemountainhamfest.com>

BSA Venture Crew 73 Wants You!

IF YOU are between 14 and 21 years old, enjoy outdoor activities, and have an interest in radio technology, **Venture Crew 73 is for you.**

- Venture Crews are part of the Boy Scouts of America.
- *Venture crew 73 is chartered by the Gwinnett Amateur Radio Society.*
- Venture crew 73 is coed.
- *Meetings are on the second Tuesday of the month, 7:00 pm, at EAA 690 Hangar at:
Briscoe Field - Sports Aviation Complex
Hangar 1, 690 Airport Road
Lawrenceville, GA 30045*
- Crew 73 is a youth-run organization, which means that our Crew President and other youth plan the Crew's outings and activities each month.

We enjoy:

- ◊ *Camping*
- ◊ *Hiking*
- ◊ *Horseback Riding*
- ◊ *Shooting Sports*

- Crew activities usually mix high adventure and the use of Amateur Radio.
- For more information, attend our next meeting or contact:

Steve Back, WB2OGY

Venture Crew 73 Committee Chairman

Phone: 770-712-9069

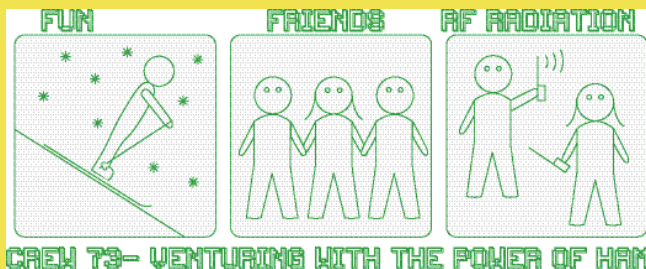
Email: committeechair@venturecrew73.org

Jeff Lee, AF4JL

Venture Crew 73 Advisor

Phone: 678-475-3165

Email: advisor@venturecrew73.org



G A R S Officers and Committee Chairs

Rick Cobb, N4XYX
President



Mike Weathers, ND4V
Vice President



Nick Doemland, AB4CQ
Secretary



Sid Weaver, N4NQ
Treasurer



Nick Nikley, N0NCQ
Program Manager



Karen Albritton, KI4HPP
Membership Chair



Dave Bruse, W4DTR
Ham Exam Team Leader



David Adcock, KA4KKF
Webmaster, Field Day Chair



Dorothy Jubon, N2DLJ
Public Information Officer



Ralph Pickwick, KJ4CNC
TechFest Chair, Apparel Mgr



Ray Bailey, N4GYN
GARzette Editor



Jeff Cutchins, AB4HF
Multimedia Chair



John Ackermann, N8UR
W4GR Trustee



Eddie Foust, WD4JEM
Repeater Chair



Ralph Pickwick, KJ4CNC
Education Chair



Mike Weathers, ND4V
WAS-Checker, Historian



Chuck McCord, KK4TKJ
Net Manager,



Mike Swiderski, K4HBI
Technical Advisor



DIRECTORS

Kyle Albritton, W4KDA



David Adcock, KA4KKF



Norm Schklar, WA4ZXV



EXTRA! EXTRA!

AUGUST MEETING

*“Working Half the US on 2 Meters & Above”
by K4CSO, Charles Osborne*

Would YOU like to have your QRZ page featured in next month's GARzette? If so, please let me know by writing to me at: editor@gars.org [Ray, N4GYN]



Do you have ideas for the GARzette? What would you like to see or read in the next issue? Perhaps you have a pet subject that you would write about. It doesn't have to be perfect, not even close. You can send me your thoughts, ideas, pictures, comments, objections, or praises, and I can edit them to fit the GARzette style so that everyone can read them and make the GARzette more interesting.
Send all to: editor@gars.org [Ray, N4GYN]

GARS Recurring Calendar

- ◆ Monthly club meeting is the 2nd Tuesday of the month at 7 pm
- ◆ Every Monday at 7:30 pm: GARS Want, Swap, Sell, and Information Net +
8:30 pm: ARES Training on the GARS 147.075 MHz repeater
- ◆ Every Wednesday at 8:30 pm: GARS Know It All Net on the GARS 147.075 MHz repeater
- ◆ Every Saturday at 7:30 am: GARS Weekly Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville

JUNE MEETING MINUTES

Rick, N4YXX, called the meeting to order at 7pm

First time visitors were welcomed – W2TTC
No general introductions, no upgrades present.
66 attendee's were present

Sid, N4NQ, gave the treasure's report. Voting took place and the treasure's report was approved.

Karen, K14HPP, gave the membership report:
GARS has 297 members

Repeater Update: A decision was made to relocate the 147.075 repeater to Snellville. The current plan is remove the remaining equipment, antenna and hardline from the water tower site on Saturday, June 13th. We'll be leaving from the Saturday Breakfast around 8:30

Announcement: N4LNE, Phil, is turning over Net Manager duties to KK4TKJ, Chuck.

May Madness – Earl, AF4FG reported that while over 100 people showed as participants, only 19 logs were submitted. All who submitted a log are eligible to get a decal or patch from Ralph, KJ4CNC.

The top ten participants were KM4BWT, N4XYY, KW4AL, KM4EQS, AB4CQ, KM4JKN (top New Member), W4KDA, KK4WOG, K4YDB (Second place – trophy), and AB4HF (First place – trophy)

Break – Ice Cream Social

Program: David Adcock, KA4KKF provided a overview of Field Day – physically showing the location of each station and answering questions. Education program is slated to be Fldigi at 4PM on Saturday.

If you work field day, you can't call in before or after from elsewhere.

Check band sign up sheets on gars.org

Raffle

Meeting concluded at 8:07 pm

Minutes taken by Kevin KK4WOG for:

Nick, AB4CQ, Secretary

FCC Goes Paperless

In order to streamline procedures and save money, the FCC stopped routinely printing and mailing licenses in February.
(Courtesy of Bill Cherapy, WB4WTN)

There are a number of ways a license holder can obtain an official copy of their license. The official license will display the FCC logo and the watermark "Official Copy" will be printed across each page of an official authorization from FCC.

1. **Download and Print License:** The licensee can log into the FCC ULS License Manager System <http://wireless.fcc.gov/uls/> with their FRN and password to download and print an electronic authorization of the official license.
2. **Login and Set Paper Preferences:** The licensee can log into the FCC ULS License Manager System with their FRN and password and set their own paper authorization preferences for future mailings. This option determines whether a user will receive paper authorizations (printed license and FRN information) from the FCC. The license holder would select either YES or NO and then click SAVE. By selecting YES, you will continue to receive paper authorizations printed and mailed by the FCC. By selecting NO, you will not receive authorizations printed and mailed from the FCC. This preference will affect all granted authorizations on this FRN.
3. **Receive License via email:** When modifying, renewing or requesting a duplicate copy of the license, a licensee who already has an FCC Registration Number (FRN) and provides a valid e-mail address under "Applicant Information" while logged in to the ULS system will receive an official ULS-generated electronic authorization via e-mail. The action of adding a valid e-mail address into the FCC system can also be performed by a VEC filing new, upgraded, modified or renewed licenses on behalf of applicants.
4. **Contact FCC:** Licensees may also contact FCC Support via the web, telephone or mail to request paper licenses. Please note that FCC recently stopped using distinctive paper stock to produce hard copy licenses and has been printing these on "standard, white recycled paper." The Bureau noted that the distinctive paper stock it had used was six times more expensive than the plain recycled paper it now uses.

An unofficial "reference copy" can always be printed from the FCC's ULS License database
<http://wireless.fcc.gov/uls/>.

FCC Contact Information: Mail: FCC-Attn: Amateur Manager, 1270 Fairfield Rd , Gettysburg, PA 17325
Web Support: esupport.fcc.gov **Telephone:** 877480-3201

GARS CALENDAR OF EVENTS FOR JULY 2015

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1 8:30 - 9:30 pm GARS Know-It-All Net	2	3	4 INDEPENDENCE DAY!
5	6 8:00 - 8:30 pm GARS 2m Net	7 6:30 - 8:00 pm GARS Exec Meeting	8 8:30 - 9:30 pm GARS Know-It-All Net	9	10	11 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
12 GARS_VE_Team Testing Session 1:45 to 4:00pm Gwinnett Co. Fire Station #5	13 8:00 - 8:30 pm GARS 2m Net	14 5:00 - 6:30 PM Dinner at Flying Machine 7:00 -9:00pm GARS Meeting	15 8:30 - 9:30 pm GARS Know-It-All Net	16	17	18 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
19	20 8:00 - 8:30 pm GARS 2m Net	21	22 8:30 - 9:30 pm GARS Know-It-All Net	23	24	25 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
26	27 8:00 - 8:30 pm GARS 2m Net	28	29 8:30 - 9:30 pm GARS Know-It-All Net	30	31	

Metro Testing Sessions	Ham Exam Results	Metro Club Meetings
<p><i>GARS publishes Metro Atlanta VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at http://www.arrl-ga.org.</i></p> <p>First Sunday, ODD Months 2 pm (Jan, Mar, May, Jul, Sep, & Nov) VEC: WCARS Braselton Public Utility Building 4986 Highway 53, Braselton, GA Roger Gibson, WB4T (770) 271-4210 or (770) 712-9560 w4rlg@bellsouth.net</p> <p>First Sunday, EVEN Months 2 pm (Feb, Apr, Jun, Aug, Oct, Dec) VEC: WCARS Hall County EOC 470 Crescent Dr. Gainesville, Ga. Perry Roper, KO4RD (770) 536-3056</p> <p>Second Saturday 10:00 AM Alpharetta North Park, Adult Activities Center 13450 Cogburn Rd, Alpharetta, GA 30004 Ian Kahn, KM4IK E-mail: km4ik.ian@gmail.com</p> <p>Second Saturday, ODD Months VEC: ARRL 8:30 a.m. GMC Community Ctr 5325 Leon St. Stone Mountain, GA Frank Haynes, KV4SP (678) 467-3712</p> <p>Second Sunday VEC: W5YI 2 pm Gwinnett County Fire Station #5 3001 Old Norcross Road Duluth, GA 30096 Contact: Dave Bruse, W4DTR Email: exams@gars.org</p> <p>Third Saturday VEC: W5YI 2 pm (Except December) Lifeway Church 1654 Atlanta Highway #109 Steve Donellan, N5SMD (404) 520-0368 Email: n5smd@comcast.net</p> <p><i>(cont. next column)</i></p>	<p>We had a nice turnout Sunday, June 14, for our VE session.</p> <p>Eight people tested and passed exams:</p> <p>2 - New Technicians 5 - Upgraded to General 1 - Upgraded to Extra</p> <p><u>Thanks to the following VE's:</u></p> <p>Mark Fehlig, WA6NGC (Co-CVE) Don Bagby, KK4NJM (Co-CVE) Sid Weaver, N4NQ (Co-CVE) Karen Whited, AB4NW Frank Haynes, KV4SP Bill Cherepy, WB4WTN Larry Whited, AB4NX Charles McCord, KK4TKJ</p> <p>73, <i>Don Bagby</i>, KK4NJM</p> <p>GARS VE Team Leader Email: exams@gars.org</p> <p>GARS VE Website: http://groups.yahoo.com/group/GARS_VE_Team/</p> <p>Fourth Tuesday ARRL VEC 7 pm @ United Way Service Center 6279 Fairburn Rd., Douglasville Jessie Clower, KB4WFK (770) 942-6466</p> <p>Fourth Sunday 2:30 pm Georgia Tech VanLeer Elec. Building Rm. W218, 777 Atlantic Dr. See www.w4aql.com Alexander G. Carver (404) 894-2936 acarver@ece.gatech.edu</p>	<p>First Tuesday Kennehoochee ARC Downtown Marietta Fire Station #1, Training Room 112 Haynes Street Marietta, Georgia 30060 Meeting begins at 7:00pm Talk In 146.880(-)</p> <p>First Thursday Atlanta Radio Club Georgia Red Cross HQ 1955 Monroe Dr., Atlanta Meeting is at 7:30pm Talk In -146.820(-) N.E. Georgia ARC Commerce Public Library Meeting is at 6:30pm Talk In - 147.225(+) PL 123.0</p> <p>Second Monday Georgia Tech ARC Room W218 Van Leer Electrical Engineering Bldg. Georgia Tech Campus Meeting at 7:00pm</p> <p>Second Thursday Alford Memorial Radio Club Annistown Road Baptist Church Intersection of Annistown Rd & Spain Rd Stone Mountain Dinner at 6:00pm Meeting at 7:30pm Talk In - 146.760(-)</p> <p>Second Saturday North GA QRP Club Board Room of The Shepherd Center at 2020 Peachtree Rd, NW, Atlanta at 10:00 AM</p> <p>Third Tuesday North Fulton Amateur Radio League Alpharetta Recreation & Parks Dept Alpharetta Adult Activity Center 13450 Cogburn Road Alpharetta, GA 30004 meeting at 7:30pm Talk In - 145.47(-) For more, go to: http://www.gars.org/</p>

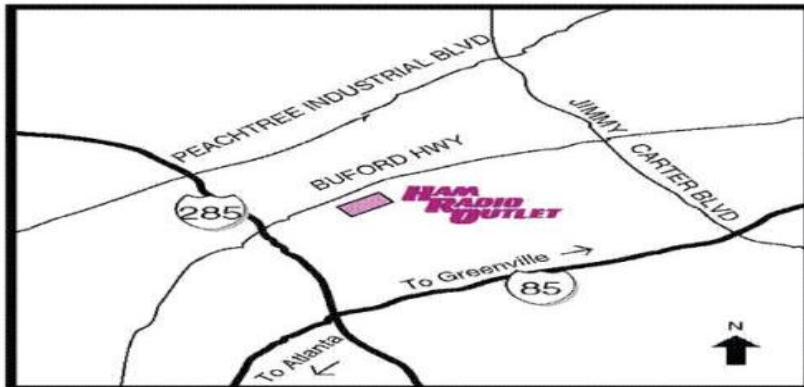
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